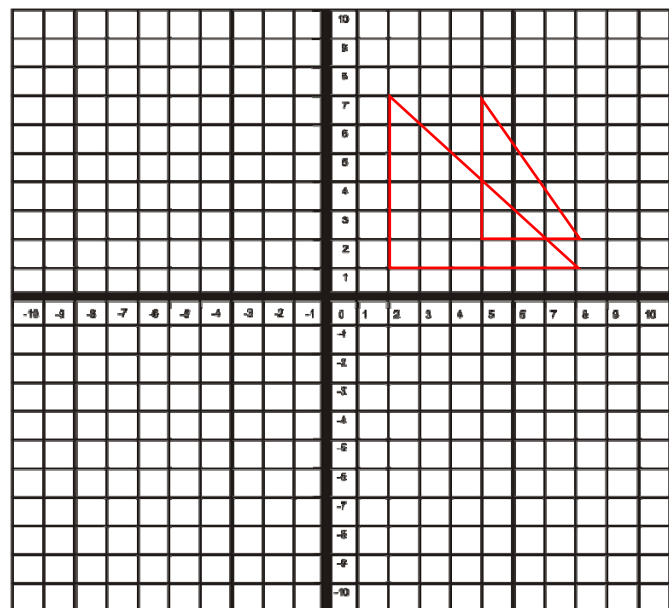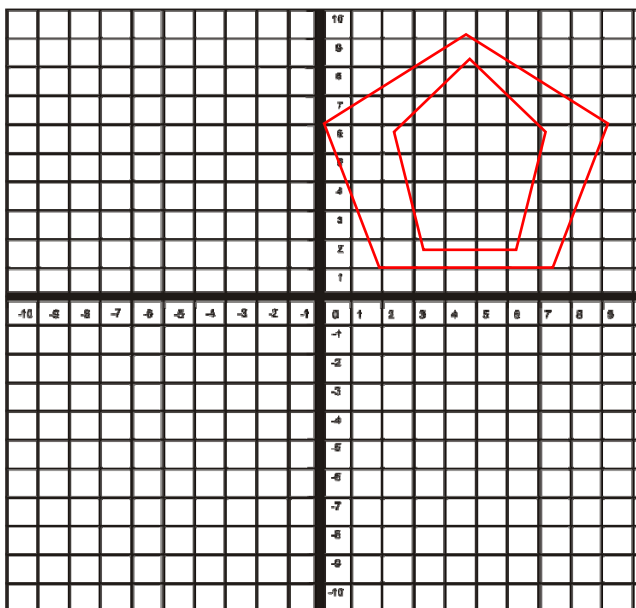Name: _____   Date _____

Topic : <u>Dilations Five Pack - Worksheet 1</u>

1. Under a dilation of scale factor 2 with the center at the origin, if S (6, 7), what will be the coordinates of the point S'?

2. What is the scale factor of the dilation (with center at the origin) if point E (5, 3) becomes E' (15, 9)?

3. Under a dilation of scale factor 5 with the center at the origin, if M (3, 6), what will be the coordinates of the point M'?

4. What is the scale factor of the dilation (with center at the origin) if point H (4, 6) becomes H' (24, 36)?

5. Under a dilation of scale factor 4 with the center at the origin, if J (2, 3), what will be the coordinates of the point J'?

6. What is the scale factor of the dilation (with center at the origin) if point U (5, 7) becomes U' (25, 35)?

7. Under a dilation of scale factor 7 with the center at the origin, if K (5, 6), what will be the coordinates of the point K'?

8. What is the scale factor of the dilation (with center at the origin) if point A (4, 5) becomes A' (16, 20)?

9.   Identify the graph shows Dilations is true or false.   **10.**
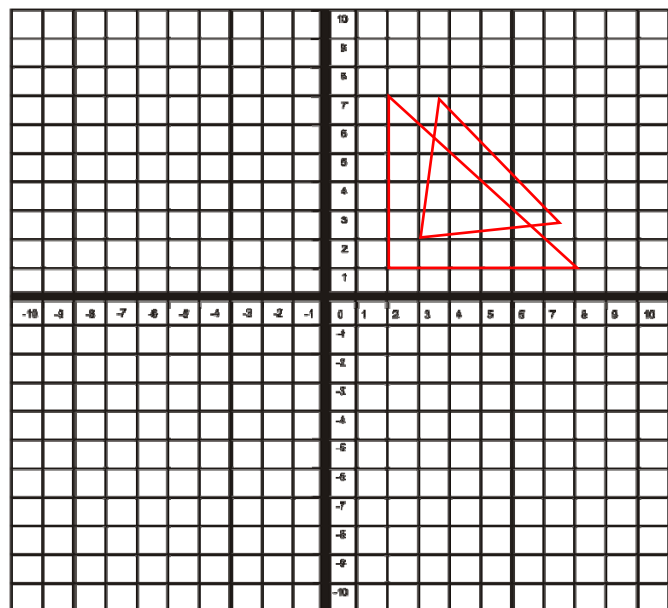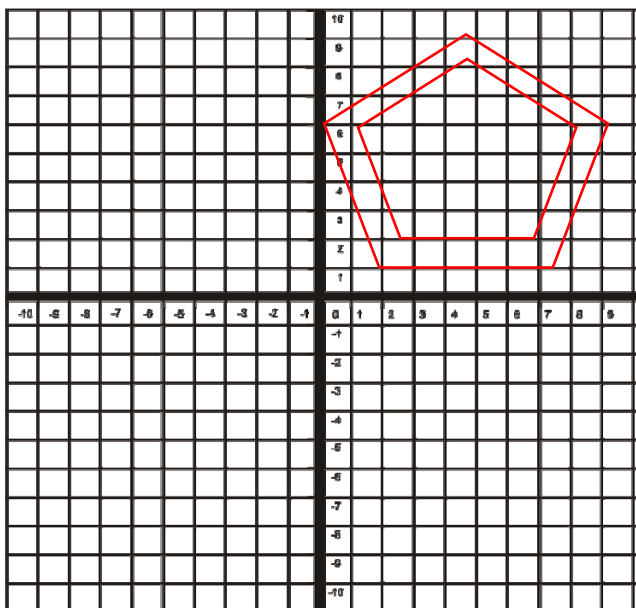
Name: _____   Date _____

Topic : <u>Dilations Five Pack - Worksheet 2</u>

1. Under a dilation of scale factor 3 with the center at the origin, if R (4, 5), what will be the coordinates of the point R'?

2. What is the scale factor of the dilation (with center at the origin) if point B (4, 5) becomes B' (16, 20)?

3. Under a dilation of scale factor 2 with the center at the origin, if T (3, 4), what will be the coordinates of the point T'?

4. What is the scale factor of the dilation (with center at the origin) if point L (3, 5) becomes L' (15, 25)?

5. Under a dilation of scale factor 3 with the center at the origin, if E(5, 6), what will be the coordinates of the point E'?

6. What is the scale factor of the dilation (with center at the origin) if point W (6, 4) becomes W' (24, 16)?

7. Under a dilation of scale factor 5 with the center at the origin, if N (4, 5), what will be the coordinates of the point N'?

8. What is the scale factor of the dilation (with center at the origin) if point V (3, 4) becomes V' (21, 28)?

9.   Identify the graph shows Dilations is true or false.   **10.**

Name: _____   Date _____
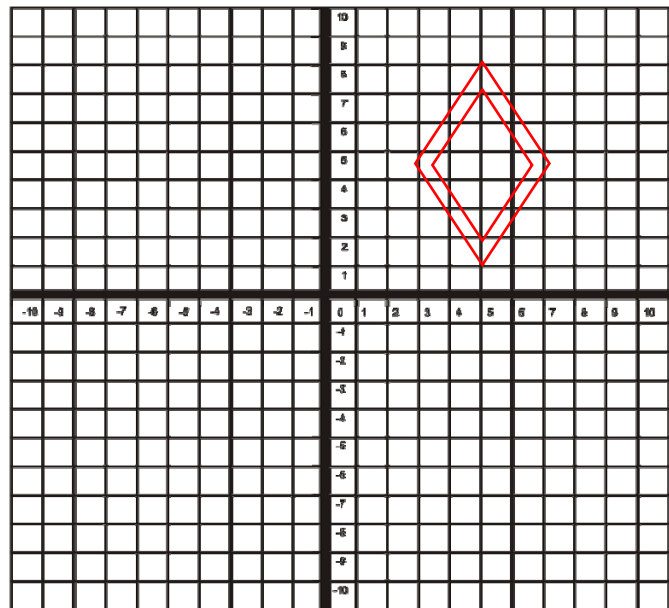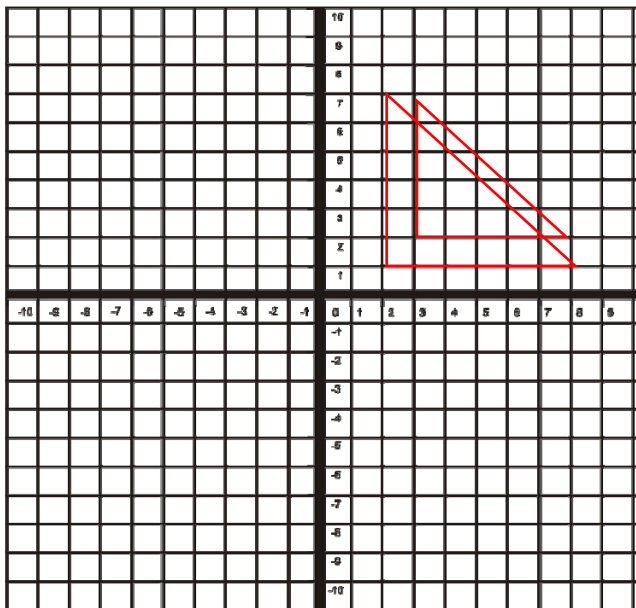
Topic : <u>Dilations Five Pack - Worksheet 3</u>

1. Under a dilation of scale factor 2 with the center at the origin, if W (6, 7), what will be the coordinates of the point W'?

2. What is the scale factor of the dilation (with center at the origin) if point V (5, 3) becomes V' (15, 9)?

3. Under a dilation of scale factor 5 with the center at the origin, if U (3, 6), what will be the coordinates of the point U'?

4. What is the scale factor of the dilation (with center at the origin) if point C (3, 7) becomes C' (24, 56)?

5. Under a dilation of scale factor 4 with the center at the origin, if K (2, 3), what will be the coordinates of the point K'?

6. What is the scale factor of the dilation (with center at the origin) if point B (5, 7) becomes B' (25, 35)?

7. Under a dilation of scale factor 7 with the center at the origin, if A (5, 6), what will be the coordinates of the point A'?

8. What is the scale factor of the dilation (with center at the origin) if point P (7, 9) becomes P' (56, 72)?

9.   Identify the graph shows Dilations is true or false.   **10.**
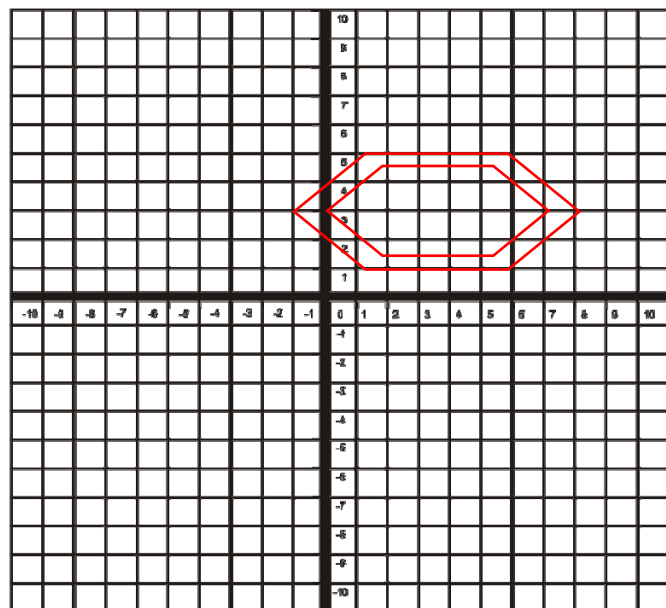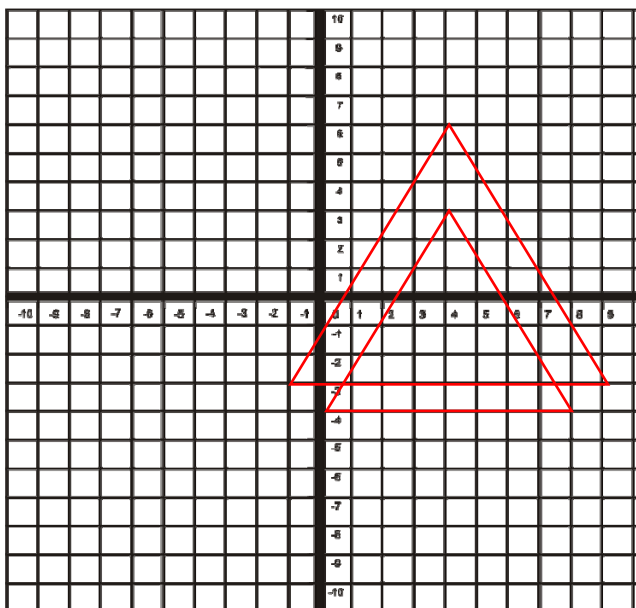
Name: _____   Date _____

Topic : <u>Dilations Five Pack - Worksheet 4</u>

1. Under a dilation of scale factor 3 with the center at the origin, if C (6, 9), what will be the coordinates of the point C'?

2. What is the scale factor of the dilation (with center at the origin) if point P (4, 3) becomes P' (8, 6)?

3. Under a dilation of scale factor 4 with the center at the origin, if A (3, 5), what will be the coordinates of the point A'?

4. What is the scale factor of the dilation (with center at the origin) if point N (6, 7) becomes N' (24, 28)?

5. Under a dilation of scale factor 4 with the center at the origin, if B (4,5), what will be the coordinates of the point B'?

6. What is the scale factor of the dilation (with center at the origin) if point L (8, 4) becomes L' (24, 12)?

7. Under a dilation of scale factor 7 with the center at the origin, if B (2, 3), what will be the coordinates of the point B'?

8. What is the scale factor of the dilation (with center at the origin) if point G (2, 4) becomes G' (12, 24)?

9.   Identify the graph shows Dilations is true or false.   **10.**

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Name: _____

Topic : <u>Dilations Five Pack - Worksheet 5</u>

1. Under a dilation of scale factor 4 with the center at the origin, if D (2, 3), what will be the coordinates of the point D'?

2. What is the scale factor of the dilation (with center at the origin) if point S (6, 4) becomes S' (18, 12)?

3. Under a dilation of scale factor 3 with the center at the origin, if Q (4, 5), what will be the coordinates of the point Q'?

4. What is the scale factor of the dilation (with center at the origin) if point K (3, 4) becomes K' (9, 12)?

5. Under a dilation of scale factor 5 with the center at the origin, if F (3,4), what will be the coordinates of the point F'?

6. What is the scale factor of the dilation (with center at the origin) if point W (5, 2) becomes W' (15, 6)?

7. Under a dilation of scale factor 6 with the center at the origin, if C (3, 4), what will be the coordinates of the point C'?

8. What is the scale factor of the dilation (with center at the origin) if point H (2, 3) becomes H' (10, 15)?

Identify the graph shows Dilations is true or false.

9.   **10.**