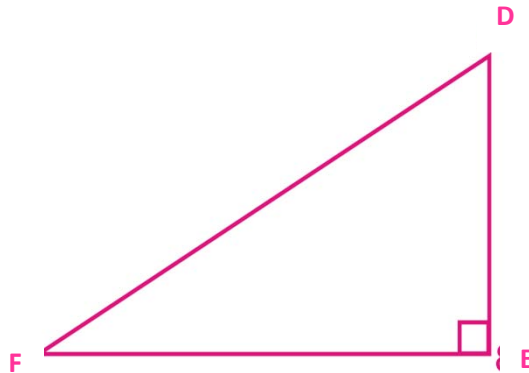


Name: _____

Date _____

Topic: Cosine- Worksheet 1

Find the value of x using the cosine of the given angle



1. $\angle F = 35^\circ$; $EF = 35$
 $DF = x$

2. $\angle D = 35^\circ$; $DE = 40$
 $DF = x$

3. $\angle F = 36^\circ$; $EF = 34$
 $DF = x$

4. $\angle D = 24^\circ$; $DE = 38$
 $DF = x$

5. $\angle F = 25^\circ$; $EF = 4$
 $DF = x$

6. $\angle D = 45^\circ$; $DE = 76$
 $DF = x$

7. $\angle F = 85^\circ$; $EF = 25$
 $DF = x$

8. $\angle D = 85^\circ$; $DE = 30$
 $DF = x$

9. $\angle F = 20^\circ$; $EF = 25$
 $DF = x$

10. $\angle D = 50^\circ$; $DE = 55$
 $DF = x$

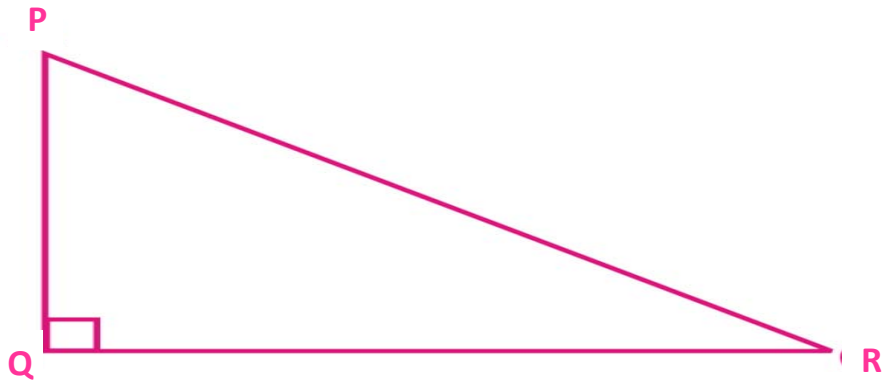


Name: _____

Date _____

Topic: Cosine- Worksheet 2

Find the value of x using the cosine of the given angle



1. $\angle R = 30^\circ$; $QR = 30$
 $PR = x$

2. $\angle P = 30^\circ$; $PQ = 35$
 $PR = x$

3. $\angle R = 38^\circ$; $QR = 36$
 $PR = x$

4. $\angle P = 26^\circ$; $PQ = 36$
 $PR = x$

5. $\angle R = 28^\circ$; $QR = 6$
 $PR = x$

6. $\angle P = 50^\circ$; $PQ = 78$
 $PR = x$

7. $\angle R = 65^\circ$; $QR = 30$
 $PR = x$

8. $\angle P = 65^\circ$; $PQ = 40$
 $PR = x$

9. $\angle R = 25^\circ$; $QR = 35$
 $PR = x$

10. $\angle P = 45^\circ$; $PQ = 50$
 $PR = x$

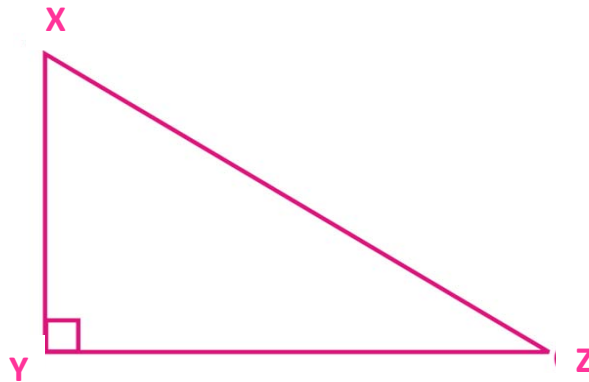


Name: _____

Date _____

Topic: Cosine- Worksheet 3

Find the value of x using the cosine of the given angle



1. $\angle Z = 40^\circ$; $YZ = 40$
 $XZ = x$

2. $\angle X = 40^\circ$; $XY = 45$
 $XZ = x$

3. $\angle Z = 32^\circ$; $YZ = 30$
 $XZ = x$

4. $\angle X = 34^\circ$; $XY = 37$
 $XZ = x$

5. $\angle Z = 26^\circ$; $YZ = 5$
 $XZ = x$

6. $\angle X = 55^\circ$; $XY = 80$
 $XZ = x$

7. $\angle Z = 45^\circ$; $YZ = 40$
 $XZ = x$

8. $\angle X = 75^\circ$; $XY = 35$
 $XZ = x$

9. $\angle Z = 30^\circ$; $YZ = 40$
 $XZ = x$

10. $\angle X = 60^\circ$; $XY = 65$
 $XZ = x$

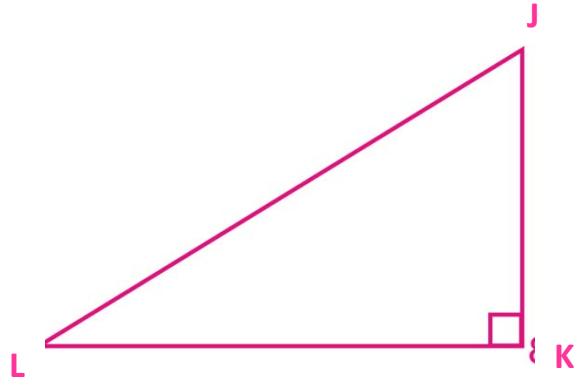


Name: _____

Date _____

Topic: Cosine- Worksheet 4

Find the value of x using the cosine of the given angle



1. $\angle L = 50^\circ$; $KL = 50$
 $JL = x$

2. $\angle J = 50^\circ$; $JK = 55$
 $JL = x$

3. $\angle L = 42^\circ$; $KL = 38$
 $JL = x$

4. $\angle J = 22^\circ$; $JK = 34$
 $JL = x$

5. $\angle L = 30^\circ$; $KL = 7$
 $JL = x$

6. $\angle J = 60^\circ$; $JK = 74$
 $JL = x$

7. $\angle L = 60^\circ$; $KL = 35$
 $JL = x$

8. $\angle J = 55^\circ$; $JK = 25$
 $JL = x$

9. $\angle L = 35^\circ$; $KL = 45$
 $JL = x$

10. $\angle J = 45^\circ$; $JK = 55$
 $JL = x$

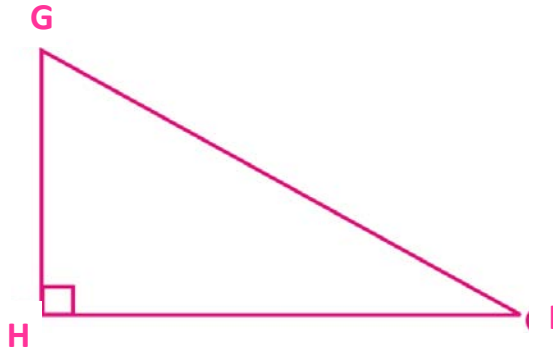


Name: _____

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Topic: Cosine- Worksheet 5

Find the value of x using the cosine of the given angle



1. $\angle I = 60^\circ$; $HI = 60$
 $GI = x$

2. $\angle G = 60^\circ$; $GH = 65$
 $GI = x$

3. $\angle I = 30^\circ$; $HI = 45$
 $GI = x$

4. $\angle G = 45^\circ$; $GH = 48$
 $GI = x$

5. $\angle I = 20^\circ$; $HI = 4$
 $GI = x$

6. $\angle G = 56^\circ$; $GH = 70$
 $GI = x$

7. $\angle I = 45^\circ$; $HI = 25$
 $GI = x$

8. $\angle G = 58^\circ$; $GH = 26$
 $GI = x$

9. $\angle I = 40^\circ$; $HI = 50$
 $GI = x$

10. $\angle G = 55^\circ$; $GH = 50$
 $GI = x$

