Name _	Date		
Write the letter of the answer that matches the problem.			
	1. Line c has a slope of $\frac{-6}{7}$. Line d has a slope of $\frac{-6}{7}$. Are line c and line d parallel or perpendicular?	а.	Perpendicula
	2. Line c has a slope of $\frac{-3}{8}$. Line d has a slope of $\frac{-3}{8}$. Are line c and line d parallel or perpendicular?	b.	$y = \frac{5}{3}x + \frac{13}{3}$
	3. Line c has a slope of $\frac{-9}{4}$. Line d has a slope of $\frac{4}{9}$. Are line c and line d parallel or perpendicular?	C.	$y = \frac{-7}{10}x + \frac{-7}{10}x +$
	4. The equation for line j can be written as $y = \frac{8}{9}x - 8$. Line k, which is parallel to line j, includes the point (6, 3). What is the equation of line k?	d.	$y = \frac{-2}{8}x + \frac{4}{3}$
	5. The equation for line j can be written as $y = \frac{5}{3}x - 9$. Line k, which is parallel to line j, includes the point (2, 7). What is the equation of line k?	e.	Parallel
	6. The equation for line j can be written as $y = \frac{8}{2}x - 10$. Line k, which is perpendicular to line j, includes the point (-3, 6). What is the equation of line k?	f.	$y = \frac{8}{9}x - \frac{7}{3}$
	7. The equation for line j can be written as $y = \frac{10}{7}x - 11$. Line k, which is perpendicular to line j, includes the point (-5, 2). What is the equation of line k?	g.	Parallel