

8. Which of the following is an equation of a line that passes through the points $(1, -3)$ and $(3, 2)$?

(A) $y - 2 = \frac{2}{5}(x - 3)$

(B) $y + 2 = \frac{5}{2}(x + 3)$

(C) $y - 3 = \frac{2}{5}(x + 1)$

(D) $y + 3 = \frac{5}{2}(x - 1)$

12. The line $y = 3x - 5$ is perpendicular to

(A) $y = -3x - 5$

(B) $x + 3y = 6$

(C) $4y - 12x = 5$

(D) $y = 3x + 2$