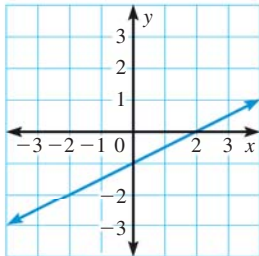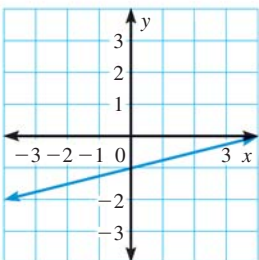## MIXED TAKS PRACTICE

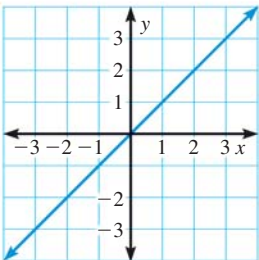**8.** The graph of a line that contains the points $(-2, -2)$ and $(2, 0)$ is shown. Which graph below best represents this line if its slope and its *y*-intercept are doubled? *TAKS Obj. 3*
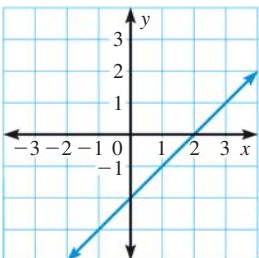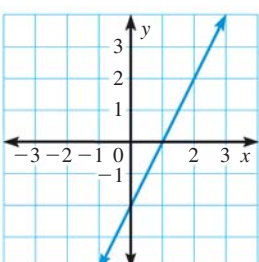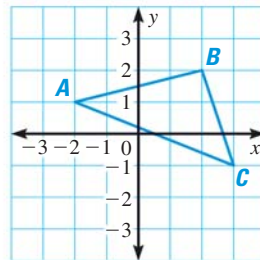

F

G

H

J

9. For a plane traveling 500 miles per hour, the relationship between the distance traveled, *d*, and the time traveled, *t*, is given by $d = 500t$. Which statement is true? *TAKS Obj. 1*

A The time traveled depends upon the distance.

B The distance traveled depends upon the time.

C The speed of the plane depends on the time traveled.

D The speed of the plane depends on the distance traveled.

10. $\triangle ABC$ has vertices $A(-2, 1)$, $B(2, 2)$, and $C(3, -1)$. $\triangle ABC$ is dilated by a scale factor of $\frac{1}{2}$ with the origin as the center of dilation. What are the coordinates of C'? *TAKS Obj. 6*

F $(-3, -1)$

G $\left(\frac{3}{2}, -\frac{1}{2}\right)$

H $\left(\frac{3}{2}, -1\right)$

J $(6, -2)$

11. **GRIDDED ANSWER** A cube has an edge length of *x* meters and a volume of 10 cubic meters. Another cube has an edge length of 3*x* meters. What is the volume, in cubic meters, of the second cube? *TAKS Obj. 8*

Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.