

① D: $\{-3, -2, 2, 3\}$
 R: $\{0, 1, 3\}$
 yes.

③ $m = \frac{1-9}{3-5} = \frac{-8}{-2} = \boxed{\frac{4}{1}}$

② $g(-3) = 2(-3)^2 - 5$
 $= 18 - 5$
 $\boxed{13}$

① $5y = 3x - 10$
 $\boxed{3x - 5y = 10}$

$\boxed{f(x) = 3.75 + 4.50x}$

$\boxed{\$17.25}$

$-1 = -2(3) + b$
 $-1 = -6 + b$
 $5 = b$

$\boxed{y = -2x + 5}$

② $f(-3) = -1(-3)^2 - 4(-3) + 5$
 $= -9 + 12 + 5$
 $\boxed{8}$

④ $f(-2) = 3(-2) - 4$
 $= \boxed{-10}$

⑥ $3y = -4x + 12$
 $\boxed{y = -\frac{4}{3}x + 4}$

⑧ $x_{\text{int}} \quad y_{\text{int}}$
 $(2, 0) \quad (0, -6)$

⑩ $m = \frac{2-5}{4-3} = \frac{-3}{1}$

$m = \frac{4-3}{1--2} = \frac{1}{3}$

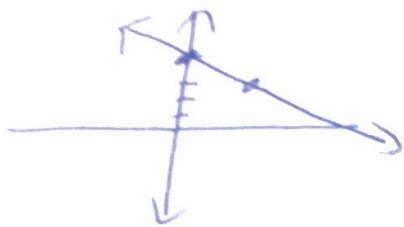
$\boxed{1}$

⑫ $(-5, 0) \quad (0, 3)$

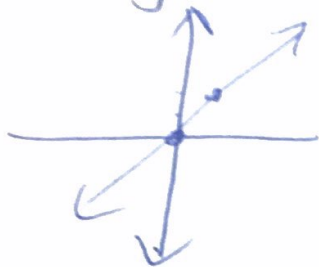
$m = \frac{3-0}{0--5} = \frac{3}{5}$

$y = \boxed{\frac{3}{5}x + 3}$

$$(19) y = -\frac{1}{3}x + 4$$



$$(21) y = 2x$$



$$(23) y = .57x + 6.02$$

\$ 14.57 bil

$$(24) y = kx$$

$$7 = k(-4)$$

$$-\frac{7}{4} = k$$

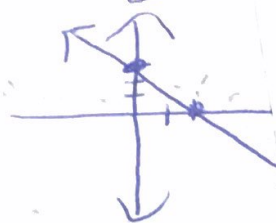
$$y = kx$$

$$y = -\frac{7}{4}x$$

$$y = -\frac{7}{4}(4)$$

$$y = -\frac{49}{2}$$

$$(20) y = -\frac{3}{2}x +$$



$$(22) (3, 174) \quad (6, 348)$$

$$\frac{348 - 174}{3} = \frac{58}{1}$$

$$y = mx + b$$

$$174 = 58(3) + b$$

$$0 = b$$

$$y = 58x$$

$$y = 58(8)$$

464 words

$$25 \quad d = kr \quad d = kr$$

$$420 = k(9500)$$

$$\frac{21}{475} = k$$

$$d = \frac{21}{475} r$$

$$d = .044r$$

(26) (a) $y = 42.11x + 1335.36$

(b) There are 42.11 more people enrolled every year at W.S. High.

(c) 28 yrs \rightarrow $\begin{matrix} 1990 \\ +28 \end{matrix}$ 2018.

$$2500 = 42.11x + 1335.36$$

D: 1714

$$y = 42.11(29) + 1335.36$$

~~1714~~ ~~20~~ 2135.45

Q: There were 1335.36 people in school in ~~2000~~ 1990.

① $y = 2x - 3$

$a = 2$
 $b = -3$
 $c = 0$
 $d = -3$

$y = 2x - 3$

② $y = 3x + 2$

$a = 3$
 $b = 2$
 $c = 0$
 $d = 2$

$y = 3x + 2$

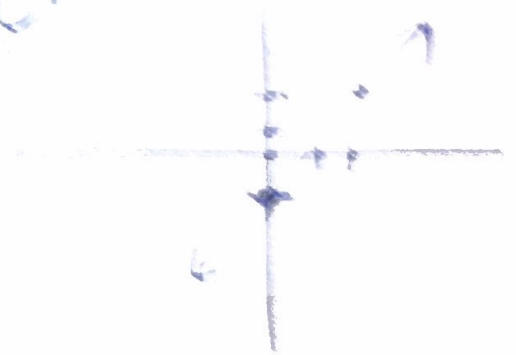
③ $y = -2x$

$a = -2$

$b = 0$

$y = -2x$

④



⑤ $y = 4x - 1$



⑥

$y = -3x + 2$

