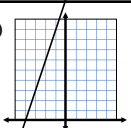
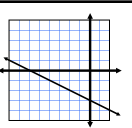


Calculus AB
pg 16

1) $m = 1$
 2) $m = 2$
 3) $m = 0$
 4) $m = -1$
 5) $m = -12$
 6) $m = \frac{40}{3}$
 10) $m = -2$
 12) $m = 0$
 14) $m = -\frac{8}{3}$
 24) $m = 1$
 $b = 1$
 26) $m = \frac{6}{5}$
 $b = -3$
 28) $m = 0$
 $b = -1$
 30) $x = -5$
 32) $y = 4$

34) $y = -\frac{3}{5}x + \frac{14}{5}$
 36) $y = -5x$
 38) $y = 3x + 4$
 40) $y = -x + 3$
 42) $y = -2$
 44) $y = -\frac{8}{3}x + \frac{37}{12}$

56) 

58) 

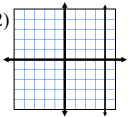
62) $\parallel y = 0$
 $\perp x = -1$

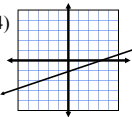
66) $\parallel y = -\frac{3}{4}x - 2$
 $\perp y = \frac{4}{3}x - \frac{21}{3}$

64) $\parallel y = -x - 1$
 $\perp y = x + 5$

79) $F = \frac{9}{5}C + 32$
 $C \approx 22.2^\circ$

80) \$240.76
 82) a) $y = -175x + 875$
 b) \$525
 c) $x \approx 3.86$ yrs

52) 

54) 

10) (61) (-2, 7)
 $m = \frac{7-1}{-2-1} = \frac{6}{-3} = -2$

28) $y = -1$ $x = -2$
 $m = 0$ $m = \text{no slope}$

62) $y = -3$ (-1, 0)
 $y = 0$ $x = -1$

79) $\begin{matrix} C & F \\ (0, 32) \\ (100, 212) \end{matrix}$ $\begin{matrix} F & C \\ (32, 0) \\ (212, 100) \end{matrix}$

$m = \frac{100-0}{212-32} = \frac{5}{9}$

$y = \frac{5}{9}x + b$
 $0 = \frac{5}{9} \cdot 32 + b$
 $-\frac{160}{9} = b$

$y = \frac{5}{9}x - \frac{160}{9}$
 $C = \frac{5}{9}(F - 32)$
 $C = \frac{5}{9}(72 - 32) = \frac{200}{9}$
 $22.\bar{2}^\circ$

80) $C = 175 + .48x$

$y = mx + b$
 \uparrow
 Flat fee

82) $y = mx + 875$
 $0 = m(5) + 875$
 $-875 = 5m$
 $-175 = m$