

Math 111 Exam #2 Answers

1) $-20^{\circ} C$

2) slope = $\frac{4}{3}$

y - intercept = 2

3) $f(2) = -1$

$x = -2, 4$

4) $k = \frac{3}{2}$

5) a) 6

b) $-\frac{1}{4}$

6) $-\frac{1}{2}, 3$

7) (4,0) and (-3,0)

8) a) $V(t) = -3000t + 15000$

b) $\{t \mid 0 \leq t \leq 5\}$

9) $x =$ number of student tickets $y =$ number of general admission tickets

$x + y = 950$

$12x + 15y = 11,634$

10) a) $C(w) = .22w + .29$

b) \$1.17