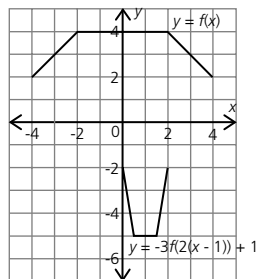


Chapter 5

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- 6.9 cm
 - 18.4 cm
 - 32.7 cm
- 20.683
 - 5.5481
 - 10.442
 - 54.094
 - 2.250
 - 15.880
- 30°
 - 30°
 - 60°
 - 70°
 - 75°
 - 89°
- 39°
 - 56°
 - 60°
- 39.1 m
- 9.2
- $t_n = 2n - 1$
 - $t_n = 4n - 11$
 - $t_n = 9n + 8$
 - $t_n = 0.5n - 3.75$
 - $t_n = -\frac{3}{8}n + \frac{5}{4}$
 - $t_n = 180^\circ n - 180^\circ$
 - $t_n = 180^\circ n - 315^\circ$
 - $t_n = 60^\circ n - 150^\circ$
- parabola opening up, vertex (0, 2) through (1, 3) and (-1, 3)
 - parabola opening up, vertex (0, -3) through (1, -2) and (-1, -2)
 - parabola opening up, vertex (0, 0) through (1, 2) and (-1, 2)
 - parabola opening up, vertex (0, 0) through (2, 2) and (-2, 2)
 - parabola opening up, vertex (1, 0) through (2, 1) and (0, 1)
 - parabola opening up, vertex (-2, 0) through (-1, 1) and (-3, 1)
 - parabola opening down, vertex (0, 0) through (1, -1) and (-1, -1)
 - parabola opening up, vertex (0, 0) through (1, 4) and (-1, 4)

9.



- maximum: (3, 4), minimum: none, zeros: 0, 6
 - maximum: none, minimum: $(-1, -\frac{5}{2})$, zeros: -3, 1
 - maximum: none, minimum: (3, 3), zeros: none
 - maximum: (5, 1), minimum: none, zeros: 3, 7
- $x = \frac{1}{4}$
 - $x = -\frac{1}{3}$
 - $m = \frac{3}{5}$
 - $n = \frac{1}{2}$
 - $v = \frac{\sqrt{3}}{2}$
 - $z = \frac{1}{2}$
 - $p = -\frac{1}{2}$
 - $x = 12$