

Quadratic Function - Vertex Form

Sheet 1

Find a quadratic function with the given vertex and passing through the given point.

- 1) Vertex $(4, 5)$; passes through $(1, 2)$.
- 2) Vertex $(1, 3)$; passes through $(4, -2)$.
- 3) Vertex $(-5, 2)$; passes through $(-4, 9)$.
- 4) Vertex $(3, -2)$; passes through $(-3, -3)$.
- 5) Vertex $(-6, 1)$; passes through $(2, 5)$.
- 6) Vertex $(4, 0)$; passes through $(7, 8)$.
- 7) Vertex $(0, -3)$; passes through $(-5, -1)$.
- 8) Vertex $(2, -4)$; passes through $(3, -5)$.