Name: **Math 2**

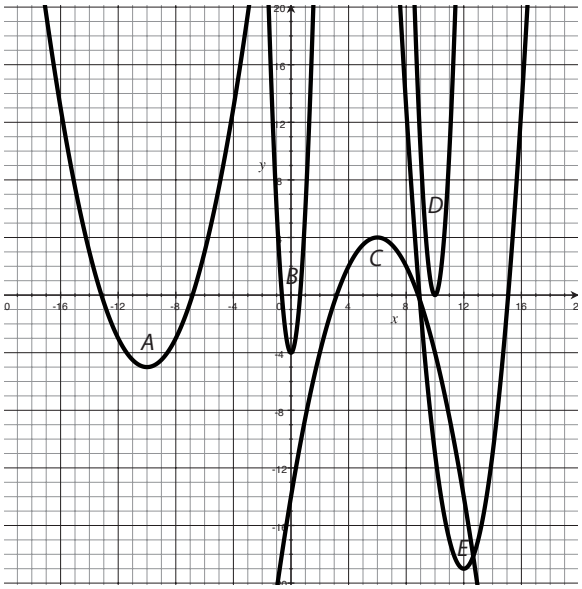
Date: **Practice Quiz 6-B**

1. Identify the vertex of the following parabolas.

a) $a(x) = -4(x + 9)^2 - 2$ b) $b(x) = 0.25(x - 3)^2 + 20$ c) $c(x) = 2x^2 + 7$ d) $d(x) = -14x^2$

2. Identify the x-intercepts of the following parabola.

a) $a(x) = -\frac{3}{4}(x + 8)^2 + 75$



3. The value of a in each parabola shown is 10, 2, 0.5, or -0.5. Use this information to write the equation of each parabola in vertex form.

a) $A(x) =$ b) $B(x) =$

c) $C(x) =$ d) $D(x) =$

e) $E(x) =$

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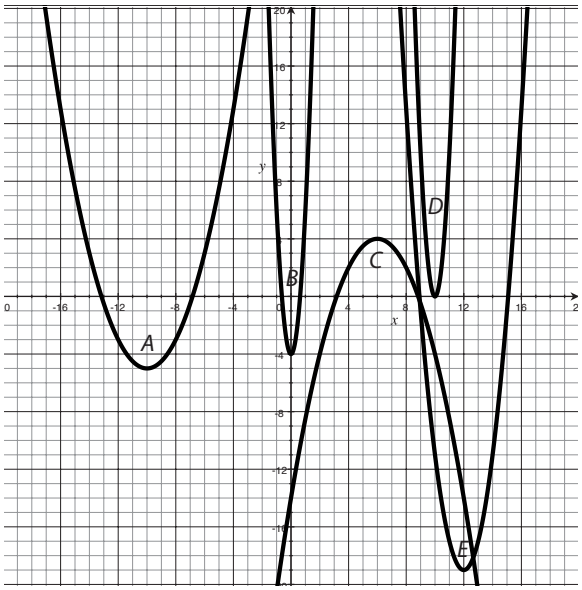

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