

Finding important information in factored form

Name _____

Find the x-intercepts, y intercept, line of symmetry and the vertex. SHOW ALL WORK! Circle Answers.

1. SHOW ALL WORK to find following for the function $f(x) = (2x + 4)(x - 2)$:

x-intercepts:

y-intercept:

line of symmetry:

vertex:

2. SHOW ALL WORK to find following for the function $g(m) = (3m - 6)(m + 4)$

x-intercepts:

y-intercept:

line of symmetry:

vertex:

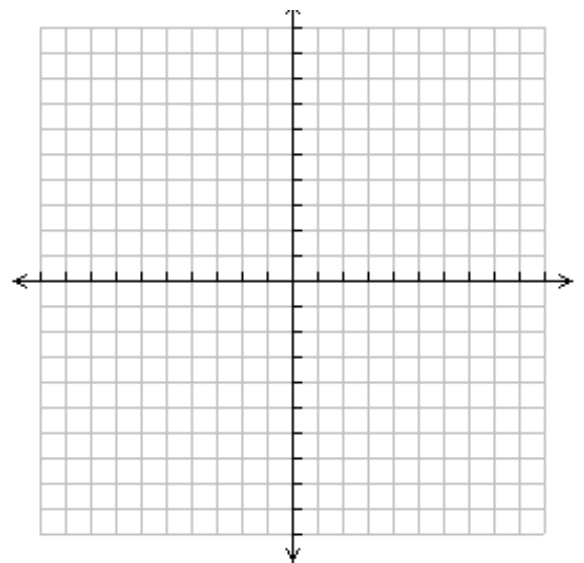
3. Graph the function $t(p) = (2p + 8)(p - 2)$. Find the following.

x-intercepts:

y-intercept:

line of symmetry:

vertex:



4. SHOW ALL WORK to find following for the function $q(m) = 2(m+4)(m-6)$

x-intercepts:

y-intercept:

line of symmetry:

vertex:

5. SHOW ALL WORK to find following for the function $f(x) = 4(x-2)(x-3)$

x-intercepts:

y-intercept:

line of symmetry:

vertex:

6. SHOW ALL WORK to find following for the function $f(x) = 2(x-3.5)(x-8.5)$

x-intercepts:

y-intercept:

line of symmetry:

vertex: