

Factor each completely.

1.  $-48p^2q^5r - 42p^4q^3r^3$

2.  $4m^2 - 5m - 21$

3.  $k^2 + 10k - 24$

4.  $6c^3 + 6c^2 - 120c$

5. Find the x-intercepts of this quadratic by factoring:

$$y = 2x^2 - 3x - 20$$