

Name : _____

Factorize & Simplify

DS4

Factorize each expression and reduce to its lowest term.

1)
$$\frac{18m^2 - 30m + 138}{182 + 21m^2 - 35m}$$

2)
$$\frac{(p^2 - 81)(p + 7)}{p^2 - 2p - 63}$$

3)
$$\frac{(5x - 7)(3x - 2)}{10x^2 - 9x - 2}$$

$$\frac{-56n}{2n}$$

5)
$$\frac{64 - b^2}{32 - 12b + b^2}$$

$$\frac{126}{2}$$

7)
$$\frac{t^4 - 216t}{t^3 - t^2 - 30t}$$

8)
$$\frac{y^2 - 7y + 49}{y^3 + 343}$$

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