

Name : _____

Factorize & Simplify

DS5

Factorize each expression and reduce to its lowest term.

1) $\frac{q^2 - 9}{q^2 - q - 12}$

2) $\frac{b^2 - 6b + 36}{b^3 + 216}$

3) $\frac{21t + 68 + 1}{-102 + t^2 + 1}$

$\frac{2y}{14}$

5) $\frac{7m^3 + 46m^2}{m^3 - 16}$

$\frac{+ 28}{- 42r}$

7) $\frac{a^2 + 14a - 51}{a^2 - 289}$

8) $\frac{4x^2 - 36x + 80}{9x - 45}$

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