

Instant
Replay

- If you have any difficulty with these solutions, please contact your teacher before continuing.

$$1. \quad a. \quad \frac{24x^3yz^5}{12xz^3} = \frac{(12xz^3)(2x^2yz^2)}{12xz^3}$$

$$b. \quad \frac{50a^2 - 10ab}{20a^3b^3} = \frac{10a(5a - b)}{10a(2a^2b^3)}$$

$$c. \quad \frac{100x^4 - 10x^2}{25x + 70x^5} = \frac{10x^2(10x^2 - 1)}{5x(5 + 14x^4)}$$

$$2. \quad a. \quad \frac{24x^3 - 2x^6}{12x^3z^3} = \frac{2x^3(12 - x^3)}{2x^3(6z^3)}$$

$$b. \quad \frac{a^3 - a}{2a^3} = \frac{a(a^2 - 1)}{a(2a^2)} = \frac{a(a - 1)(a + 1)}{a(2a^2)}$$

$$c. \quad \frac{100x^3 - x^5}{25x - x^3} = \frac{x^3(100 - x^2)}{x(25 - x^2)} = \frac{x^3(10 - x)(10 + x)}{x(5 - x)(5 + x)}$$