

Question # 5 Correction

$$\frac{ax+b}{1} = \frac{cx}{d}$$

$$\begin{array}{r} cx = adx + bd \\ -adx \quad -adx \end{array}$$

$$cx - adx = bd$$

$$\frac{x(c-ad)}{(c-ad)} = \frac{bd}{(c-ad)}$$

$$x = \frac{bd}{(c-ad)}$$

Question 18 Correction

$$10^{-2} x^4 y^{-2} z^{-6}$$

$$5^{-2} x^3 y^2 z^{-4}$$

$$= \frac{5^2 x^4 z^4}{10^2 x^3 y^2 z^6}$$

$$= \frac{\cancel{2^2} x^4 \cancel{z^4}}{\cancel{2^2} x^3 y^2 \cancel{z^6}}$$

$$= \frac{4 x^2 z^2}{4 x^2 y^2 z^2}$$

$$\frac{1}{4 x^2 y^2 z^2}$$

Final Answer

Question 45 Correction

← Negative Feedback

$$\frac{6-5x}{6x^2-9x} - \frac{(x-2)(2x-3)}{3x(2x-3)}$$
$$\Rightarrow \frac{3x(2x-3)}{3x(2x-3)}$$

OTTS

$$(x-2)(2x-3)$$
$$= 2x^2 - 3x - 4x + 6$$
$$= 2x^2 - 7x + 6$$

$$\frac{\cancel{6} - 5x - 2x^2 + 7x - \cancel{6}}{3x(2x-3)}$$

$$\frac{-2x^2 + 2x}{3x(2x-3)}$$

$$\frac{-2x(x-1)}{3x(2x-3)}$$

$$\frac{-2(x-1)}{3(2x-3)}$$

ALL 3 Answers
ACCEPTED