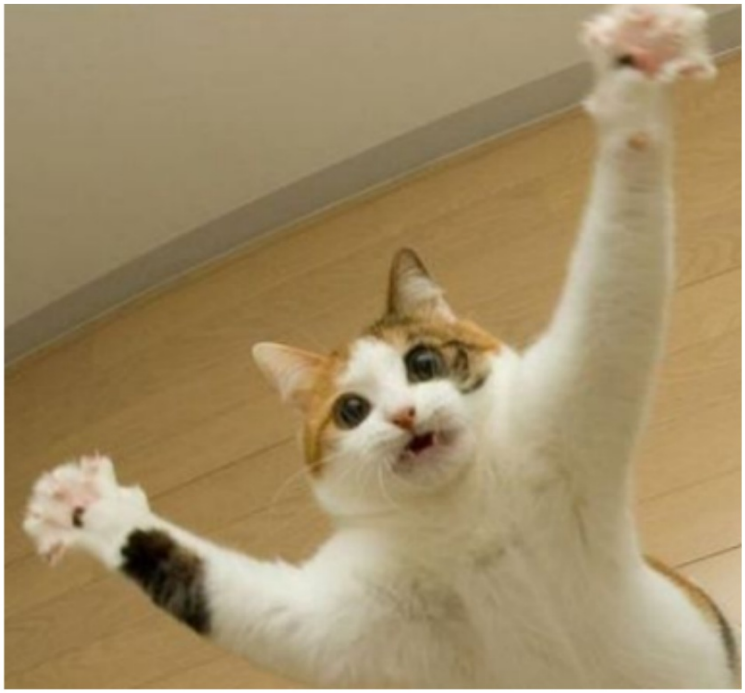
Alg1

March 20, 2012

Is there anything to correct?



3/20 - Dividing with Polynomials

$$\left(3x^4 + 6x^3 + 6x^2\right) \div 3x$$

$$= \frac{3x^4 + 6x^3 + 6x^2}{3x}$$

$$= \frac{\overset{1}{\cancel{3}}x^4}{\cancel{3}x} + \frac{\overset{2}{\cancel{6}}x^3}{\cancel{3}x} + \frac{\overset{2}{\cancel{6}}x^2}{\cancel{3}x}$$

$$= \boxed{x^3 + 2x^2 + 2x}$$

$$\left(\frac{\overset{v^3}{\cancel{4v^4}}}{\cancel{4v}} + \frac{\overset{2v^2}{\cancel{8v^3}}}{\cancel{4v}} + \frac{\overset{2v}{\cancel{8v^2}}}{\cancel{4v}}\right) \div 4v$$

$$= v^3 + 2v^2 + 2v$$

$$\frac{(\cancel{2}r^7 + \cancel{4}r^6 + \cancel{2}r^5)}{\cancel{2}r^2} \div 2r^2$$

$r^5 \quad 2r^4 \quad r^3$

$$= r^5 + 2r^4 + r^3$$

$$(2m^5 + 1m^4 + 4m^3) \div 2m^3$$

$$= m^2 + \frac{1}{2}m + 2$$

$$\frac{(\overset{n^2}{\cancel{n^3}} + \overset{n}{\cancel{4n^2}} + \overset{2}{\cancel{8n}})}{\cancel{4n}} \div 4n$$

$$= -\frac{1}{4}n^2 + n + 2$$

$$\frac{(2b^3 + b^2 + 10b)}{5b} \div 5b$$

$$= \frac{2}{5}b^2 + \frac{1}{5}b + 2$$

HOMEWORK

Green POLYNOMIALS WS3

DUE Wednesday