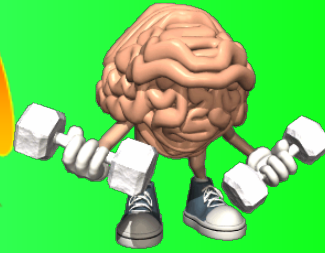


Warm Up



Before the quiz

1) Expand and Simplify

$$\begin{aligned}
 & (3x+5)^2 + 4(2x+7) \\
 & (3x+5)(3x+5) + 8x + 28 \\
 & 9x^2 + 15x + 15x + 25 + 8x + 28 \\
 & 9x^2 + 30x + 25 + 8x + 28 \\
 & \text{Collect like terms} \\
 & 9x^2 + 38x + 53
 \end{aligned}$$

2) Factor $24v^4w^{11} - 16v^3w^5 + 56v^7w^2$

$$8v^3w^2 (3v^1w^9 - 2w^3 + 7v^4)$$

3) Find the LCM and GCF of 84, 24

	2	84	24
↓	2	42	12
	3	21	6
		7	2

$GCF(84, 24) = 2 \times 2 \times 3 = 12$

$$LCM(84, 24) = 2 \times 2 \times 3 \times 7 \times 2 = 168$$