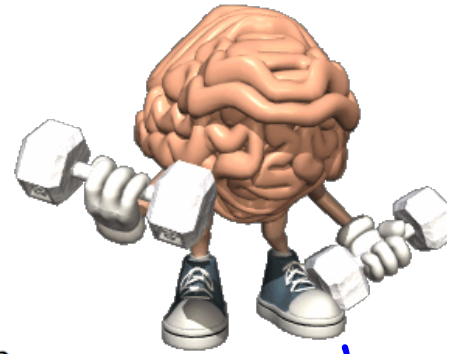




- 1
- 1) GCF
 - 2) Simple Trinomial
 - 3) Hard Tri
 - 4) Difference Square
 - 5) Perfect Sq. Trinomial
- # Warm Up



1) $20 - 32a + 40a^3$
 $40a^3 - 32a + 20$
 4 $(10a^3 - 8a + 5)$

2) $x^2 + 4x + 3$ $\frac{x}{+3} \mid \frac{+}{+1}$
 $(x+1)(x+3)$

3) $10n^2 - n - 24$ $\frac{x}{+} \mid \frac{+}{-1}$
 $10n^2 + 15n - 16n - 24$
 $5n(2n+3) - 8(2n+3)$
 $(2n+3)(5n-8)$
 5) $(7x^2)^2 - (2)^2$
 $49x^4 - 4$
 $(7x^2 - 2)(7x^2 + 2)$

-240		+
1, 240		-1
2, 120		
3, 80		
4, 60		
5, 48		
6, 40		
8, 30		
10, 24		
12, 20		
15, 16		

4) $5x^2 - 45x + 70$
 5 $(x^2 - 9x + 14)$ $\frac{x}{+14} \mid \frac{+}{-7}$
 5 $(x-2)(x-7)$ -2, 7

6) $x^2 + 100$
 DNF

7) $49x^2 - 70x + 25$
 $(7x - 5)^2$

8) $9m^2 + \boxed{36}m + 36$
 $(3m)^2 \quad \downarrow \quad (6)^2$
 $2(3)(6)m$

Factoring Review Sheet

1) $m^2 - m - 72$

2) $n^2 - 14n + 48$

3) $-36n^4 + 20n^6 - 28n^8$

4) $-10n^2m^2 - 30mn^2 + 10n^2$

5) $4v^2 + 12v + 35$

6) $4n^2 - 20n + 25$

7) $3n^2 - 22n + 35$

8) $14m^2 - 2m - 16$

9) $16x^2 - 9$

10) $x^2 - 4$

11) $4x^2 + 4x + 1$

12) $9n^2 - 12n + 4$

13) $12n^2 - 72n$

14) $16b^2 - 28b - 8$

Solutions

1) $(m+8)(m-9)$

2) $(n-2)(n-12)$

3) $-4n^4(9-5n^2+7n^4)$

4) $-10n(nm^2+3m^2-n)$

5) $(2v+3)^2$

6) $(2n-5)^2$

7) $(n-5)(3n-7)$

8) $2(m+1)(-m-8)$

9) $(4x-3)(4x-3)$

10) $(x-2)(x+2)$

11) $(2x-1)^2$

12) $(3n-2)^2$

13) $12n(n-6)$

14) $4(b-2)(4b+1)$

Attachments

Factoring TEST Review Worksheet (A Mix of Simple Hard & Special).pdf