

SM2H 3.2 Homework

1. 3 and 5
2. -2 and -5
3. -4 and -5
4. -4 and 2
5. -2 and 9
6. -1 and 6
7. $2x(x^2 + 6x - 4)$
8. $-3xy(5x^2y - 4 + 6y^2)$
9. $(h^2 + 4)(2h - 5)$
10. $(g^2 - 5)(g - 3)$
11. $(3x - 5y)(x + 1)$
12. $z^2 - 3z - 10$
13. $v^2 - 8v \mp 12$
14. $(z - 5)(z + 2)$
15. $(v - 6)(v - 2)$
16. The answers to 12 & 13 are the problems in 14 & 15 and vis versa.
17. $r(r + 9)(r - 6)$
18. $(x + 6)(x - 6)$
19. $3(y + 4)(y + 3)$
20. $-2(a - 9)(a + 2)$
21. $4(a + b)(a + b)$
22. $-3(k + 2)(k - 2)$
23. $(x + 6y)(x + 2y)$
24. $2m(m - 8)(m - 8)$ or $(m - 8)^2$
25. Prime
26. $(q + 7)(q + 1)$
27. $(m + 1)(m - 6)$
28. $6z(z + 10)(z - 2)$
29. $3r(r + 9)(r + 2)$
30. $6(p - 5)(p + 4)$
31. $-2n(n - 5)(n - 8)$
32. $x = \frac{20}{3}$
33. All Real Numbers
34. \emptyset ; no solution