

- TEST 8** 1. $5y^3$ 2. $(r + 2)^3$ 3. $\frac{1}{2}g^2$ 4.a. $4x^2 - 32x + 10$
b. $6x^2 - 10x - 2$ 5.a. $4x^2 - 11$ b. $-2x^2 + 4x + 5$ 6. $10x^5$
7. x^6 8. $-10a^3b^2$ 9. $64m^4n^3$ 10. $-9m^4n^6$ 11. $\frac{n^7}{9}$
12. $-6a^2 + 12a - 6$ 13. $-2a^3 + 6a^2$ 14. $a^2 + 2ab - 3b^2$
15. $x^2 - 10xy + 25y^2$ 16. $10x^2 + 17x + 3$ 17. $a^3 + b^3$
18. $m = 2A - 22$ 19. $b = \frac{P - 2h}{2}$ 20. $x = -\frac{1}{2a}$ 21. $h = \frac{2A}{a + b}$
22. 3 hours 23. no solution 24. freight, 40 mi/h; passenger,
90 mi/h 25. 12 cm by 16 cm 26. no solution

Challenge: 26 mi/h