

Name - _____

Start time - __ : __

End time - __ : __

Factorize the following by splitting the middle term:

1. $x^2 - x - 2$

2. $z^2 - 3z - 54$

3. $2b^2 + 32b + 128$

4. $4x^2 - 56x + 196$

5. $p^2 - 17p - 38$

6. $p^2 + 12p + 35$

7. $s^2 + 11s + 30$

8. $p^2 + 8p - 84$

9. $r^2 - 10r + 21$

10. $x^2 + 30x + 216$

11. $2x^2 + 9x + 10$

12. $a^4 - 11a^2 + 10$

13. $x^2y^2 - 8xy - 48$

14. $6x^2 + 17x + 5$

15. $x^2 + 6x + 8$

16. $x^2 + 4x - 21$

17. $x^2 - 21x + 108$

18. $3x^2 + 11x + 30$

19. $22x^2 + 9x + 52$

20. $4x^2 - 13x + 10$