

Factor.

1. $4x + 6y$

2. $5p^2r + p^2$

3. $12k^3 + 21k^5$

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

5. $d^2 + 17d + 72$

6. $m^2 + 54m + 200$

7. $g^2 - 18g + 32$

8. $a^2 - 19a + 90$

9. $b^2 + 5b - 24$

10. $2n^2 + 7n + 5$

11. $3z^2 + 8z - 11$

12. $2x^2 - x - 21$

13. $m^2 - 121$

14. $9r^2 - 16$

15. $x^2 - y^2$

16. $r(p^2 + 5) - s(p^2 + 5)$

17. $ac + bc + ad + bd$

18. $7c^3 - 28c^2 + 3c - 12$

19. $y^3 + 27$

20. $c^3 - 8$

21. $k^3 + 125$

Untitled 1/20/2015

1.

Answer: $2(2x + 3y)$
CodePath: EAS.ALG.I.C.2

2.

Answer: $p^2(5r + 1)$
CodePath: EAS.ALG.I.C.8

3.

Answer: $3k^3(4 + 7k^2)$
CodePath: EAS.ALG.I.C.14

4.

Answer: $(x + 5)(x + 3)$
CodePath: EAS.ALG.I.D.12

5.

Answer: $(d + 9)(d + 8)$
CodePath: EAS.ALG.I.D.49

6.

Answer: $(m + 50)(m + 4)$
CodePath: EAS.ALG.I.D.84

7.

Answer: $(g - 16)(g - 2)$
CodePath: EAS.ALG.I.E.25

8.

Answer: $(a - 9)(a - 10)$
CodePath: EAS.ALG.I.E.45

9.

Answer: $(b + 8)(b - 3)$
CodePath: EAS.ALG.I.F.16

10.

Answer: $(2n + 5)(n + 1)$
CodePath: EAS.ALG.I.H.10

11.

Answer: $(3z + 11)(z - 1)$
CodePath: EAS.ALG.I.H.13

12.

Answer: $(2x - 7)(x + 3)$
CodePath: EAS.ALG.I.H.50

13.

Answer: $(m - 11)(m + 11)$
CodePath: EAS.ALG.I.J.13

14.

Answer: $(3r - 4)(3r + 4)$
CodePath: EAS.ALG.I.J.50

15.

Answer: $(x - y)(x + y)$
CodePath: EAS.ALG.I.J.69

16.

Answer: $(r - s)(p^2 + 5)$
CodePath: EAS.ALG.I.M.6

17.

Answer: $(c + d)(a + b)$
CodePath: EAS.ALG.I.M.31

18.

Answer: $(7c^2 + 3)(c - 4)$
CodePath: EAS.ALG.I.M.45

19.

Answer: $(y + 3)(y^2 - 3y + 9)$
CodePath: EAS.ALG.I.N.2

20.

Answer: $(c - 2)(c^2 + 2c + 4)$
CodePath: EAS.ALG.I.N.8

21.

Answer: $(k + 5)(k^2 - 5k + 25)$
CodePath: EAS.ALG.I.N.18