



Factor each expression completely.

1)  $\frac{6}{48}b - \frac{12}{30} =$  \_\_\_\_\_

2)  $\frac{6}{25}c - \frac{8}{20} =$  \_\_\_\_\_

3)  $\frac{12}{48}d - \frac{20}{16} =$  \_\_\_\_\_

4)  $\frac{6}{35}e - \frac{2}{28} =$  \_\_\_\_\_

5)  $-\frac{4}{36}f - \frac{12}{54} =$  \_\_\_\_\_

6)  $-\frac{12}{40}g - \frac{12}{30} =$  \_\_\_\_\_

7)  $-\frac{3}{15}h - \frac{6}{25} =$  \_\_\_\_\_

8)  $\frac{8}{40}i - \frac{12}{32} =$  \_\_\_\_\_

9)  $-\frac{3}{12}j + \frac{3}{16} =$  \_\_\_\_\_

10)  $-\frac{3}{16}k - \frac{3}{16} =$  \_\_\_\_\_

**Answers**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_



Factor each expression completely.

$$1) \frac{6}{48}b - \frac{12}{30} = \underline{\frac{6}{6}(\frac{1}{8}b - \frac{2}{5})}$$

$$2) \frac{6}{25}c - \frac{8}{20} = \underline{\frac{2}{5}(\frac{3}{5}c - \frac{4}{4})}$$

$$3) \frac{12}{48}d - \frac{20}{16} = \underline{\frac{4}{16}(\frac{3}{3}d - \frac{5}{1})}$$

$$4) \frac{6}{35}e - \frac{2}{28} = \underline{\frac{2}{7}(\frac{3}{5}e - \frac{1}{4})}$$

$$5) -\frac{4}{36}f - \frac{12}{54} = \underline{-\frac{4}{18}(\frac{1}{2}f + \frac{3}{3})}$$

$$6) -\frac{12}{40}g - \frac{12}{30} = \underline{-\frac{12}{10}(\frac{1}{4}g + \frac{1}{3})}$$

$$7) -\frac{3}{15}h - \frac{6}{25} = \underline{-\frac{3}{5}(\frac{1}{3}h + \frac{2}{5})}$$

$$8) \frac{8}{40}i - \frac{12}{32} = \underline{\frac{4}{8}(\frac{2}{5}i - \frac{3}{4})}$$

$$9) -\frac{3}{12}j + \frac{3}{16} = \underline{-\frac{3}{4}(\frac{1}{3}j - \frac{1}{4})}$$

$$10) -\frac{3}{16}k - \frac{3}{16} = \underline{-\frac{3}{16}(\frac{1}{1}k + \frac{1}{1})}$$

**Answers**

1.  $\underline{\frac{6}{6}(\frac{1}{8}b - \frac{2}{5})}$

2.  $\underline{\frac{2}{5}(\frac{3}{5}c - \frac{4}{4})}$

3.  $\underline{\frac{4}{16}(\frac{3}{3}d - \frac{5}{1})}$

4.  $\underline{\frac{2}{7}(\frac{3}{5}e - \frac{1}{4})}$

5.  $\underline{-\frac{4}{18}(\frac{1}{2}f + \frac{3}{3})}$

6.  $\underline{-\frac{12}{10}(\frac{1}{4}g + \frac{1}{3})}$

7.  $\underline{-\frac{3}{5}(\frac{1}{3}h + \frac{2}{5})}$

8.  $\underline{\frac{4}{8}(\frac{2}{5}i - \frac{3}{4})}$

9.  $\underline{-\frac{3}{4}(\frac{1}{3}j - \frac{1}{4})}$

10.  $\underline{-\frac{3}{16}(\frac{1}{1}k + \frac{1}{1})}$