



Factor each expression completely.

1)  $-\frac{9}{25}b - \frac{3}{20} =$  \_\_\_\_\_

2)  $\frac{8}{42}c + \frac{2}{42} =$  \_\_\_\_\_

3)  $-\frac{12}{72}d + \frac{14}{18} =$  \_\_\_\_\_

4)  $-\frac{2}{45}e + \frac{14}{30} =$  \_\_\_\_\_

5)  $\frac{14}{36}f - \frac{12}{28} =$  \_\_\_\_\_

6)  $-\frac{20}{72}g - \frac{20}{64} =$  \_\_\_\_\_

7)  $\frac{2}{12}h + \frac{2}{48} =$  \_\_\_\_\_

8)  $\frac{15}{56}i + \frac{3}{32} =$  \_\_\_\_\_

9)  $\frac{6}{48}j - \frac{9}{16} =$  \_\_\_\_\_

10)  $-\frac{3}{32}k - \frac{3}{32} =$  \_\_\_\_\_

**Answers**

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

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

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

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

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

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

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

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

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

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



Factor each expression completely.

$$1) \quad -\frac{9}{25}b - \frac{3}{20} = \underline{-\frac{3}{5}(\frac{3}{5}b + \frac{1}{4})}$$

$$2) \quad \frac{8}{42}c + \frac{2}{42} = \underline{\frac{2}{42}(\frac{4}{1}c + \frac{1}{1})}$$

$$3) \quad -\frac{12}{72}d + \frac{14}{18} = \underline{-\frac{2}{18}(\frac{6}{4}d - \frac{7}{1})}$$

$$4) \quad -\frac{2}{45}e + \frac{14}{30} = \underline{-\frac{2}{15}(\frac{1}{3}e - \frac{7}{2})}$$

$$5) \quad \frac{14}{36}f - \frac{12}{28} = \underline{\frac{2}{4}(\frac{7}{9}f - \frac{6}{7})}$$

$$6) \quad -\frac{20}{72}g - \frac{20}{64} = \underline{-\frac{20}{8}(\frac{1}{9}g + \frac{1}{8})}$$

$$7) \quad \frac{2}{12}h + \frac{2}{48} = \underline{\frac{2}{12}(\frac{1}{1}h + \frac{1}{4})}$$

$$8) \quad \frac{15}{56}i + \frac{3}{32} = \underline{\frac{3}{8}(\frac{5}{7}i + \frac{1}{4})}$$

$$9) \quad \frac{6}{48}j - \frac{9}{16} = \underline{\frac{3}{16}(\frac{2}{3}j - \frac{3}{1})}$$

$$10) \quad -\frac{3}{32}k - \frac{3}{32} = \underline{-\frac{3}{32}(\frac{1}{1}k + \frac{1}{1})}$$

**Answers**

1.  $\underline{-\frac{3}{5}(\frac{3}{5}b + \frac{1}{4})}$

2.  $\underline{\frac{2}{42}(\frac{4}{1}c + \frac{1}{1})}$

3.  $\underline{-\frac{2}{18}(\frac{6}{4}d - \frac{7}{1})}$

4.  $\underline{-\frac{2}{15}(\frac{1}{3}e - \frac{7}{2})}$

5.  $\underline{\frac{2}{4}(\frac{7}{9}f - \frac{6}{7})}$

6.  $\underline{-\frac{20}{8}(\frac{1}{9}g + \frac{1}{8})}$

7.  $\underline{\frac{2}{12}(\frac{1}{1}h + \frac{1}{4})}$

8.  $\underline{\frac{3}{8}(\frac{5}{7}i + \frac{1}{4})}$

9.  $\underline{\frac{3}{16}(\frac{2}{3}j - \frac{3}{1})}$

10.  $\underline{-\frac{3}{32}(\frac{1}{1}k + \frac{1}{1})}$