



Factor each expression completely.

1) $-\frac{12}{45}b + \frac{14}{30} = \underline{\hspace{2cm}} \quad (\quad b - \quad)$

2) $\frac{4}{24}c + \frac{8}{18} = \underline{\hspace{2cm}} \quad (\quad c + \quad)$

3) $-\frac{8}{28}d + \frac{4}{63} = \underline{\hspace{2cm}} \quad (\quad d - \quad)$

4) $\frac{3}{20}e - \frac{12}{12} = \underline{\hspace{2cm}} \quad (\quad e - \quad)$

5) $-\frac{4}{56}f - \frac{6}{16} = \underline{\hspace{2cm}} \quad (\quad f + \quad)$

6) $-\frac{4}{27}g - \frac{4}{45} = \underline{\hspace{2cm}} \quad (\quad g + \quad)$

7) $\frac{4}{15}h + \frac{4}{25} = \underline{\hspace{2cm}} \quad (\quad h + \quad)$

8) $-\frac{12}{49}i - \frac{12}{35} = \underline{\hspace{2cm}} \quad (\quad i + \quad)$

9) $\frac{6}{40}j - \frac{8}{48} = \underline{\hspace{2cm}} \quad (\quad j - \quad)$

10) $-\frac{8}{28}k + \frac{10}{12} = \underline{\hspace{2cm}} \quad (\quad k - \quad)$

Answers

1. $\underline{\hspace{2cm}} \quad (\quad b - \quad)$

2. $\underline{\hspace{2cm}} \quad (\quad c + \quad)$

3. $\underline{\hspace{2cm}} \quad (\quad d - \quad)$

4. $\underline{\hspace{2cm}} \quad (\quad e - \quad)$

5. $\underline{\hspace{2cm}} \quad (\quad f + \quad)$

6. $\underline{\hspace{2cm}} \quad (\quad g + \quad)$

7. $\underline{\hspace{2cm}} \quad (\quad h + \quad)$

8. $\underline{\hspace{2cm}} \quad (\quad i + \quad)$

9. $\underline{\hspace{2cm}} \quad (\quad j - \quad)$

10. $\underline{\hspace{2cm}} \quad (\quad k - \quad)$



Factor each expression completely.

$$1) -\frac{12}{45}b + \frac{14}{30} = \underline{-\frac{2}{15}(\frac{6}{3}b - \frac{7}{2})}$$

$$2) \frac{4}{24}c + \frac{8}{18} = \underline{\frac{4}{6}(\frac{1}{4}c + \frac{2}{3})}$$

$$3) -\frac{8}{28}d + \frac{4}{63} = \underline{-\frac{4}{7}(\frac{2}{4}d - \frac{1}{9})}$$

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

$$5) -\frac{4}{56}f - \frac{6}{16} = \underline{-\frac{2}{8}(\frac{2}{7}f + \frac{3}{2})}$$

$$6) -\frac{4}{27}g - \frac{4}{45} = \underline{-\frac{4}{9}(\frac{1}{3}g + \frac{1}{5})}$$

$$7) \frac{4}{15}h + \frac{4}{25} = \underline{\frac{4}{5}(\frac{1}{3}h + \frac{1}{5})}$$

$$8) -\frac{12}{49}i - \frac{12}{35} = \underline{-\frac{12}{7}(\frac{1}{7}i + \frac{1}{5})}$$

$$9) \frac{6}{40}j - \frac{8}{48} = \underline{\frac{2}{8}(\frac{3}{5}j - \frac{4}{6})}$$

$$10) -\frac{8}{28}k + \frac{10}{12} = \underline{-\frac{2}{4}(\frac{4}{7}k - \frac{5}{3})}$$

Answers

$$1. \underline{-\frac{2}{15}(\frac{6}{3}b - \frac{7}{2})}$$

$$2. \underline{\frac{4}{6}(\frac{1}{4}c + \frac{2}{3})}$$

$$3. \underline{-\frac{4}{7}(\frac{2}{4}d - \frac{1}{9})}$$

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

$$5. \underline{-\frac{2}{8}(\frac{2}{7}f + \frac{3}{2})}$$

$$6. \underline{-\frac{4}{9}(\frac{1}{3}g + \frac{1}{5})}$$

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

$$8. \underline{-\frac{12}{7}(\frac{1}{7}i + \frac{1}{5})}$$

$$9. \underline{\frac{2}{8}(\frac{3}{5}j - \frac{4}{6})}$$

$$10. \underline{-\frac{2}{4}(\frac{4}{7}k - \frac{5}{3})}$$