

```
usepackage{microtype}
usepackage{geometry}
usepackage{hyperref}
hypersetup{hidelinks}
\ix{textbook}{microtype}{geometry}{hyperref}{multicol}{margin=1in}{hidelinks}
```

# Skills Review

Generated by LaTeXify

November 7, 2025

## 1 page0004-chunk001

2 % chem snippet  
textbackslash[reflection acrossy = x). ii Vertical li  
textbackslash]  
textbackslash[reflect graph ofy = p(x) across y = x graph ofp1 Apply VLT top1 : some  
verticals cut the graph twice I  
textbackslash]  
textbackslash[=Ra  
textbackslash]  
textbackslash[=Dom(p) b) f1 i I  
textbackslash]  
textbackslash[reflection acrossy = x). ii Vertical li  
textbackslash]  
textbackslash[vertical line acrossy = x a  
textbackslash]

## 2 page0009-chunk001

2  
textbackslash[=f(x 1) + 3 The a = 1 i  
textbackslash]  
textbackslash[thek = 1 i  
textbackslash]  
textbackslash[the d = 1 (from x d = x (1) =x + 1) i  
textbackslash]  
textbackslash[and the c = 3i  
textbackslash]  
textbackslash[d = 1 1 + (1) = 2 y= a y+ c = (1)(2) + 3 = 5 Therefore, the resulti  
textbackslash]

3 page0003-chunk001

```

2
textbackslash[= 2r2 + 2r 1 x = 2y2 + 2y 1 x + 1 = 2 ( y2 + y ) x + 1 = 2 [( y + 1 2
)2 1 4 ] x + 1 = 2 ( y + 1 2 )2 1 2 x + 3 2 = 2 ( y + 1 2 )2 x 2 + 3 4 = ( y + 1 2 )2 y
+ 1 2 = ± x 2 + 3 4 y = 1 2 ± x 2 + 3 4 p1(x) = 1 2 ± x 2 + 3 4 b) 3y + 5x = 18
3y + 5x = 18 3y = 5x + 18 y = 5 3 x + 6 x = 5 3 y + 6 x 6 = 5 3 y y = 3 5 ( x 6 ) y =
3 5 x + 18 5 f1(x) = 3 5 x + 18 5 c) h(t) = 4.9(t + 3)2 + 45.8 x = 4.9(y + 3)2 + 45.8 x
45.8 = 4.9(y + 3)2 45.8 x = 4.9(y + 3)2 45.8 x 4.9 = (y + 3)2 y + 3 = ± 45.8 x 4.9 y
= 3 ± 45.8 x 4.9 h1(x) = 3 ± 45.8 x 4.9 2
textbackslash]

```

4 page0001-chunk001

```
2 {"items": [{"text": "Basic Advanced Functions — Part 1: Communication Problems", "bbox": [113, 670, 889, 695], "source": "heuristic"}, {"text": "Your Name", "bbox": [113, 695, 889, 720], "source": "heuristic"}, {"text": "October 28, 2025", "bbox": [113, 720, 889, 745], "source": "heuristic"}]}
```

5 page0002-chunk001

2  
textbackslash[Speed = Dista  
textbackslash]  
textbackslash[=400 t (t > 0, km/h) b) A  
textbackslash]  
textbackslash[=v0 (1/2)t/T1/2 v(t) = 125 (1/2)t/5 c) Scott drives at a co  
textbackslash]  
textbackslash[= 50t Questio  
textbackslash]

6 page0008-chunk001

2  
textbackslash[=f(x + 1)3 The d = 1 (si  
textbackslash]  
textbackslash[d = x (1) =x + 1) i  
textbackslash]  
textbackslash[ndicates a horizontal translation of 1 unit to the left and the c = 3 i  
textbackslash]  
textbackslash[d = 1 1 + (1) = 0 y= a y+ c = 1(2) + (3) = 5 Therefore, the result is  
textbackslash]  
textbackslash[=f(2x) The a = 1 i  
textbackslash]

```
textbackslash[axis and thek = 2i  
textbackslash]
```

## 7 page0005-chunk001

```
2 % chem snippet  
textbackslash[reflection acrossy = x). ii Vertical li  
textbackslash]  
textbackslash[reflect graph ofy = h(x) across y = x relatio  
textbackslash]  
textbackslash[=Ra  
textbackslash]  
textbackslash[=Dom(h) Questio  
textbackslash]  
textbackslash[= 2x2 8 4  
textbackslash]
```